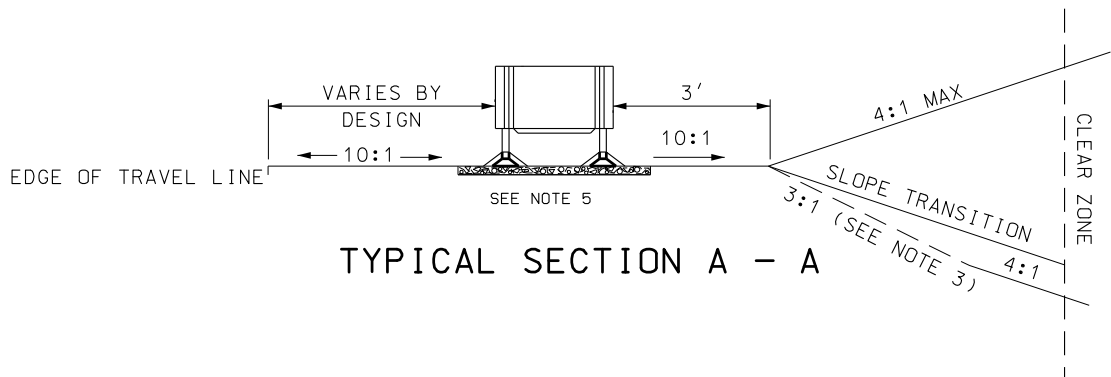
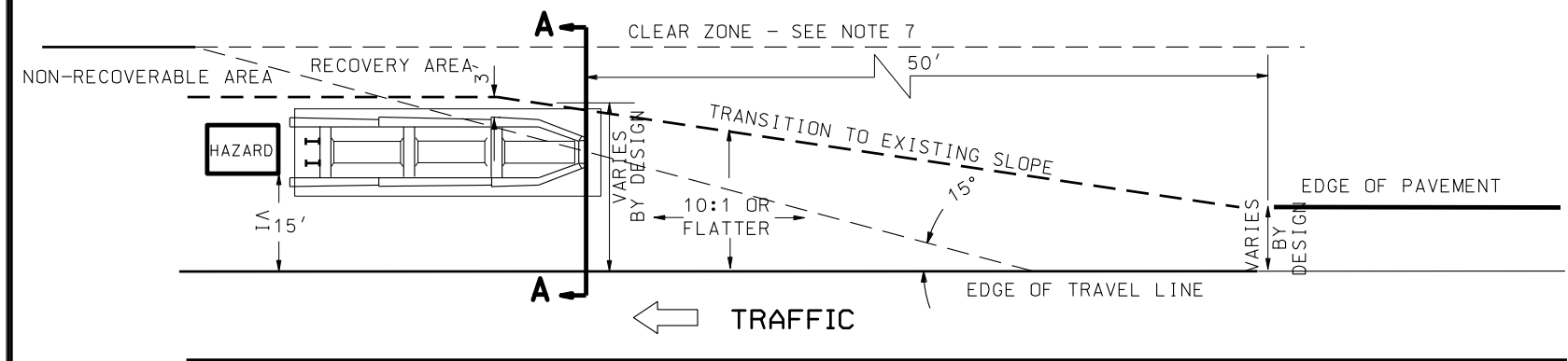
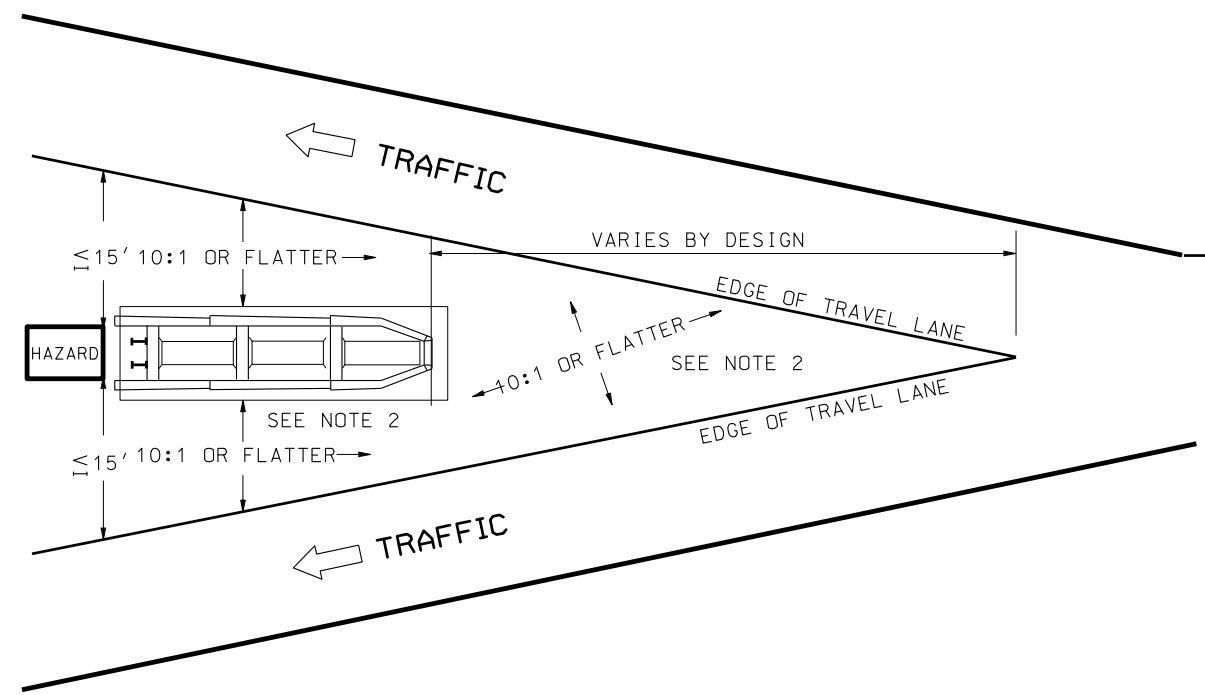


SHOULDER APPLICATION



TYPICAL SECTION A - A

GORE APPLICATION AREA



NOTES:

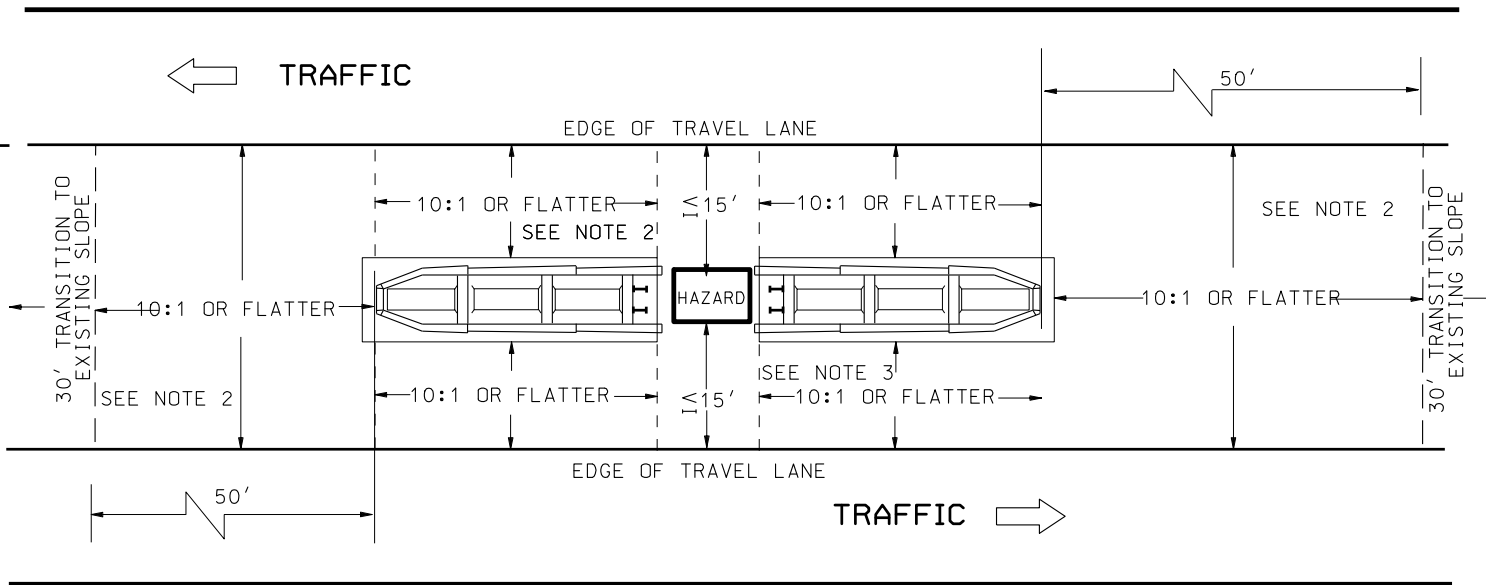
1. CRASH CUSHION TYPE A: QUADGUARD, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, TO PROTECT HAZARDS FROM 37 INCHES TO 90 INCHES.

CRASH CUSHION TYPE B: QUADGUARD, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, TO PROTECT HAZARDS UP TO 36 INCHES.

CRASH CUSHION TYPE D: QUADGUARD ELITE AND QUADGUARD LMC, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, AND REACT 350, MANUFACTURED BY ROADWAY SAFETY SERVICES.
TYPE D SYSTEMS PROTECT HAZARDS UP TO 90 INCHES IN WIDTH, TYPE D SYSTEMS ARE USED WHERE ONE OR MORE IMPACTS PER YEAR ARE ANTICIPATED, OR WHEN REPAIR HISTORY INDICATES TWO OR MORE IMPACTS OVER A THREE YEAR PERIOD.
2. ALL APPLICATIONS REQUIRE THE USE OF A 10:1 SLOPE OR FLATTER TO THE FRONT AND SIDE APPROACHES. USE A 10:1 OR FLATTER SLOPE AT THE REAR OF THE SYSTEM WHEN TRAFFIC ALSO APPROACHES FROM THE REAR OF THE SYSTEM.
3. USE A 4:1 OR FLATTER FILL SLOPE AND A RECOVERY AREA IF IMPRACTICAL, USE A MAXIMUM 3:1 FILL SLOPE AND A RECOVERY AREA ESTABLISHED AT THE TOE OF 3:1 FILL SLOPE. WHEN USED WITH A CUT SLOPE, A 4:1 OR FLATTER CUT IS REQUIRED IN THE RECOVERY AREA.
4. USE A TRANSITION ELEMENT, AS PER MANUFACTURER'S SPECIFICATIONS, WHEN TRAFFIC APPROACHES THE REAR OF SYSTEM.
5. USE MANUFACTURER'S SPECIFICATIONS FOR PAD AND BACKUP REQUIREMENTS.
6. INSTALL PROPER MARKINGS AS PER STD DWG CC 1.
7. MAINTAIN AASHTO CLEAR ZONE REQUIREMENTS.

10:1 OR FLATTER

MEDIAN APPLICATION



REVISIONS				REMARKS
NO.	DATE	APPR.	NO.	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
RECOMMENDED FOR APPROVAL
SALE LARSEN
JAN.01.2008
DATE
JAN.01.2008
DATE
DEPUTY DIRECTOR

CHAIRMAN STANDARDS COMMITTEE
APPROVED
JAN.01.2008
DATE

DETAILS FOR
PLACEMENT
CRASH CUSHIONS
TYPE A, B, AND D
STANDARD DRAWING TITLE

STD DWG
CC 4